

Curriculum Vitae of Vincenzo Tagliaferri

Personal information

Surname, First name **Tagliaferri, Vincenzo**

Place of birth [REDACTED]

Date of birth [REDACTED]

Nationality [REDACTED]

Working Address [REDACTED]
[REDACTED]

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[REDACTED]

Work experience

Date 1980-1983

Occupation or position held Researcher

Main activities and responsibilities Co-investigator in High Power Laser Working Systems research programs

Name and address of employer RTM Institute (Vico Canavese, To - Italy)

Date 1983-1987

Occupation or position held Researcher

Main activities and responsibilities Researcher on Technologies and Manufacturing Systems

Name and address of employer Department of Materials and Production Engineering, Faculty of Engineering, University of Naples Federico II, Italy.

Date 1988-1994

Occupation or position held Associate professor

Main activities and responsibilities Professor of Technologies and Manufacturing Systems

Name and address of employer Faculty of Engineering, Polytechnic of Milan, Italy

Date 1994-1997

Occupation or position held Full professor

Main activities and responsibilities Professor of Technologies and Manufacturing Systems

Name and address of employer	University of Genoa, Faculty of Engineering, Italy
Date	1994-1997
Occupation or position held	Contract Professor
Main activities and responsibilities	Professor of innovative Technologies and Manufacturing Systems
Name and address of employer	Faculty of Engineering, Polytechnic of Milan, Italy
Date	1998 - date
Occupation or position held	Full Professor
Main activities and responsibilities	Professor of Technologies and Manufacturing Systems
Name and address of employer	University of Rome Tor Vergata, Department of Engineering Enterprise, Italy
Date	2009 - 2015
Occupation or position held	Contract Professor
Main activities and responsibilities	Professor of Technologies and Manufacturing Systems
Name and address of employer	University of Rome 3, Faculty of Engineering, Italy

Education

Date	1980
Title of qualification awarded	Laurea degree in Mechanical Engineering (five years), summa cum laude. Thesis dissertation on "Heat Treatment of Fe-C Alloys by means Laser Technology".
Name and type of organisation providing education and training	Faculty of Engineering, University of Naples Federico II, State University

Personal skills and competences, research record

Mother tongue	Italian
Other language	English

Organisational skills and competences

1988-1994 Responsible of research on the "Innovative Technologies for Processing" at the Institute of Machine Tools (Milan), ITIA-CNR.

1990-1997 Responsible of research contracts with the National Research Council and the Italian Ministry of University on the themes of metal and polymer materials technologies.

1997 Member of the boards of evaluation of the results of industry research funded by the National Research Council on Mechanical Technologies, Transportation and Materials.

1994-1996 Secretary of the Engineering Faculty Council of the University of Genoa.

1995-1998 Member of the evaluation committee within the National Research Programme "Innovative Production Systems" (Ministerial Decree 310 of 21/06/95).

1995 – date Reviewer of industrial research projects funded by the Ministry of Industry and Ministry of University.

1996-2000 Member of the scientific committees of international conferences on advanced materials and their technologies for production and processing (ECCM, ICCM, ESDA Conference).

1996 Member of the committee for the pre-feasibility of the PF Quality Engineering.

1997-2003 Member of the Scientific Board of the International Journal on "Machining Science and Technology" Ed Said Jahanmir, NIST-Gaithersburg, MD 20899, USA.

1999-2008 Chairman of the degree course council in mechanical engineering, University of Rome "Tor Vergata".

2003 – 2014 Member of the board of the PhD in Materials Engineering, University of Rome "Tor Vergata".

2004 - Member of the panel of experts on the "Production technologies and sustainable management" to define the priorities of the National Scientific and Technological Research, Rosselli Foundation.

2004 Member of the advisory working groups for the reform of the CNR covering the topics "Transfer of research results" and "Significant projects - Manufacturing".

2004-2005 Member of the committee of experts to study Foresight on "Emerging technologies critical to the industry of the Roman and Lazio", Fondazione Rosselli.

2004 – date Member of the Board of Directors of the Consortium MA. TRIS (Materials, Technologies, Coatings and Surface Engineering) consists

of the University of Rome "La Sapienza", Rome "Tor Vergata", Rome "Tre" and the Centre for Materials Development CSM.

2004-2013 Member of the Committee on Patents and Spin Off University of Rome "Tor Vergata".

2005-2008 Scientific Director of the Liaison Office for technology transfer made between the University of Palermo, Catania, Naples and Rome "Tor Vergata".

2007 – 2009 Responsible for academic of the Science Park of the University of Rome "Tor Vergata".

2006-2010 Director of the Summer School of the Italian Association of Mechanical Technology for PhD students and researchers.

2008-2012 Project Manager SPIN OVER the Ministry of Productive Activities for the creation of spin-off the University of Rome Tor Vergata.

2010 – 2019 Director of the Interuniversity Research Center on Innovative Technologies for Capital Equipment – CIRTIBS. The CIRTIBS is constituted by Universities of Rome "La Sapienza", Rome "Tor Vergata", L'Aquila, Modena-Reggio Emilia and the Polytechnic University of Turin.

2011 – 2020 Member of the Board of the Foundation CEIS, University of Rome Tor Vergata Economics Foundation.

2014-date Member of the Board of the PhD in Design and Industrial Production from the University of Rome "Tor Vergata".

2020 – date Pro Rector for the Technology Transfer of the University of Rome Torvergata.

2021 – date Director of the Department of Enterprise Engineering - University of Rome Tor Vergata.

Scientific skills and competences

Principal investigator in national and international research programs conducted in cooperation with national and international research centres and industries. Some of these issues are: EUREKA-ACTUAL, in relation to the issues of technology for rapid prototyping; Eureka ACHEN on production technologies for nano crystalline sintering of metal powders; Eureka CODERAVI on the application of virtual reality technologies prototyping; INTAS synthesis by plasma-laser and plasma-arc metal powders in active atmosphere; "LU.CE - Luminescence for Ceramics" Call Industry 2015 - New Technologies for the Made in Italy; technologies and production processes funded Company by Electrolux, Candy, Zeiss, Aprilia, Visottica, Sinco, Askoll, Gamfior, Federal Mogul, TBM, New Renopres, Zanussi Metallurgica, Compess, Mastrotto Zolfital, Brovedani, Lamborghini, MBDA. Responsible of: LIFE - PAINT-IT (LIFE15 ENV/IT/000417): The project intends to completely eliminate the use of biocides in favour of a physical anti-fouling mode of action, instead of chemical action, with positive environmental benefits for the marine environment; LIFE-PLA4COFFE (LIFE14 ENV/IT/000744) Project will demonstrate a new improved production process for coffee capsules based on PLA as a substitute for PE, PET and aluminium; COSME-2014 - ELSE Enterprise Lazio and Sardegna for Europe.

The scientific research activities focused on the following areas: non-conventional machining technologies, manufacturing technologies of innovative materials, material properties and characteristics of the products after processing, processes and innovative production systems, industrial sustainability. The past five years have been developed the following research areas: molding and thermoforming of polymeric materials, materials and treatment technologies for the functionalization of surfaces; production technologies of metal foams made of aluminum alloy and alloy FeC using technologies to semisolid and expansion with precursor; technologies of production of metal foams with open cells for use as heat exchangers; technologies for surface finishing by means of systems of processing fluid bed abrasive; deposition technologies of polymer films using fluid bed technology; machining using sources of high power diode laser for the treatment of metallic substrates and organic; deposition and characterization of hard film in HF-CVD diamond; processing technologies of thermoplastic materials .

1980 – date Author of over 250 scientific papers published in distinguished international journals, conference proceedings or as book chapters. He has co-authored 13 patents (<https://art.torvergata.it/simple-search?filterquery=Dipartimento+di+Ingegneria+dell%27Impresa+%22Mario+Lucertini%22&location=&filtername=itemAppartenenza&filtertype>equals#.XloLyqhKhPY>).

1995 – date Reviewer of more one hundred industrial research projects funded by the Ministry of Industry, Ministry of University and Italian regions.